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 TI Process for sizing paper by adding anionic or cationic sizing dispersion
 and sizing promoter
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 PA Akzo Nobel N.V., Neth.; Eka Chemicals AB
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	EP 1309756	A1	20030514	EP 2001-958739	20010802
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2002012623	ICM	D21H021-16
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JP 2004514796	FTERM	4L055/AG18; 4L055/AG34; 4L055/AG35; 4L055/AG36; 4L055/AG40; 4L055/AG41; 4L055/AG43; 4L055/AG44; 4L055/AG48; 4L055/AG98; 4L055/AH09; 4L055/AH11; 4L055/AH12; 4L055/AH33; 4L055/AH50; 4L055/BD10; 4L055/EA30; 4L055/EA32; 4L055/EA34; 4L055/FA17; 4L055/FA22

AB The process for sizing paper comprises adding to an aq. suspension contg. **cellulose fibers** (e.g., bleached birch/pine sulfate pulp), and optional fillers (e.g., calcium carbonate), (i) an anionic or cationic sizing dispersion [e.g., alkyl ketone dimer, condensed naphthalenesulfonate and di(hydrogenated tallow)dimethylammonium chloride], and (ii) a sizing promoter contg. a cationic org. polymer having .gtoreq.1 arom. group and an anionic polymer with .gtoreq.1 arom.

group contg. a step-growth polymer, a polysaccharide or a naturally occurring arom. polymer [e.g., Tamol (condensed naphthalenesulfonate) and cationic starch]; forming and draining the obtained suspension, wherein the sizing dispersion and sizing promoter are added sep. to the aq. suspension.

ST alkyl ketene dimer paper sizing agent; hydrogenated tallow

~~dimethylammonium chloride sizing paper; naphthalenesulfonate polymer~~
dispersion sizing paper; cationic starch sizing promoter paper

IT Polyelectrolytes

(anionic; process for sizing paper by adding anionic or cationic sizing dispersion and sizing promoter)

IT Quaternary ammonium compounds, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(bis(hydrogenated tallow alkyl)dimethyl,